

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019087.D
 Acq On : 23 Oct 2020 19:30
 Operator : JC/SP
 Sample : L4457-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUTTON-PR-2152

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 11:16:12 AM

Quant Time: Oct 26 17:16:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	39980	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	220149	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	193380	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	81344	30.55	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.83%		
60) 4-Bromofluorobenzene	11.12	95	85603	29.49	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.30%		
63) Toluene-d8	8.70	98	258414	30.27	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.90%		
Target Compounds						
15) Acetone	2.42	58	2937	10.954	ug/l	88
16) Carbon Disulfide	2.56	76	2378	0.425	ug/l #	91
22) cis-1,2-Dichloroethene	4.57	96	2203m	0.809	ug/l	
25) Chloroform	5.18	83	15108	3.647	ug/l	95
30) 2-Butanone	4.65	43	1674	1.353	ug/l #	72
37) Trichloroethene	7.20	130	1278	0.487	ug/l #	77
41) Bromodichloromethane	7.87	83	1368	0.420	ug/l #	92
61) Tetrachloroethene	9.32	164	688	0.300	ug/l #	82
62) Toluene	8.77	91	3506	0.345	ug/l	98
91) Naphthalene	13.82	128	2407	0.224	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

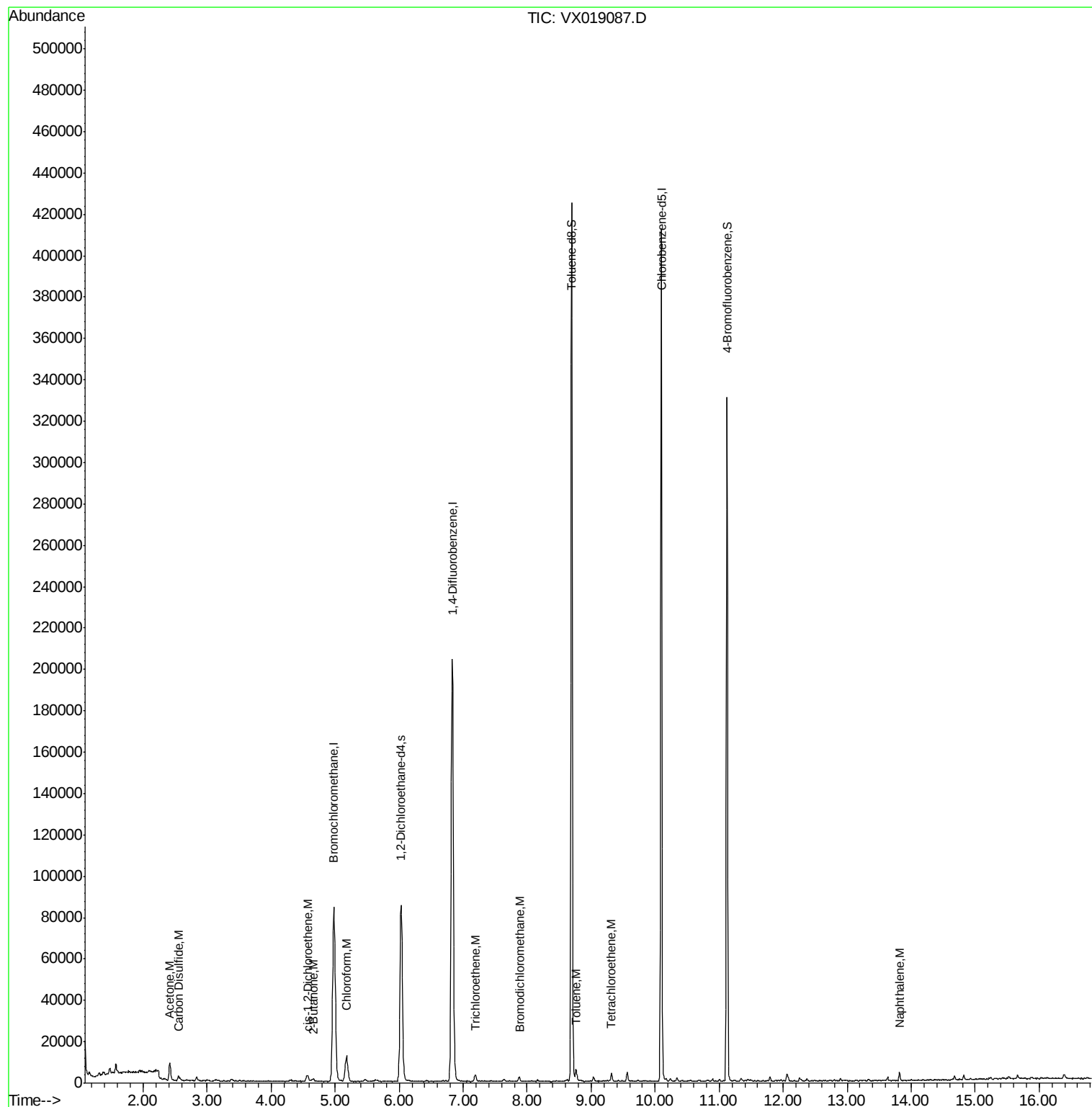
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019087.D
Acq On : 23 Oct 2020 19:30
Operator : JC/SP
Sample : L4457-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

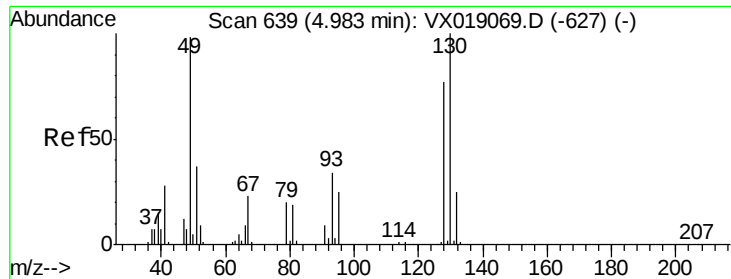
Instrument :
MSVOA_X
ClientSampleId :
SUTTON-PR-2152

Manual Integrations
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10/26/2020 11:16:12 AM

Quant Time: Oct 26 17:16:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 03:21:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

Instrument :

MSVOA_X

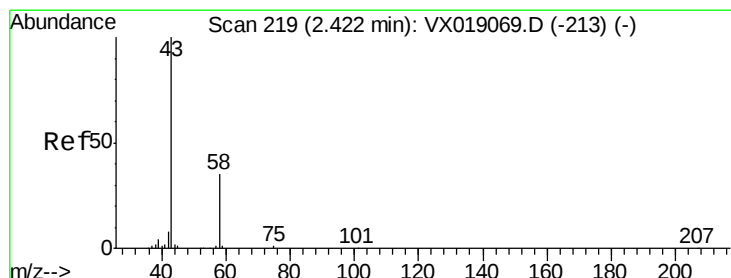
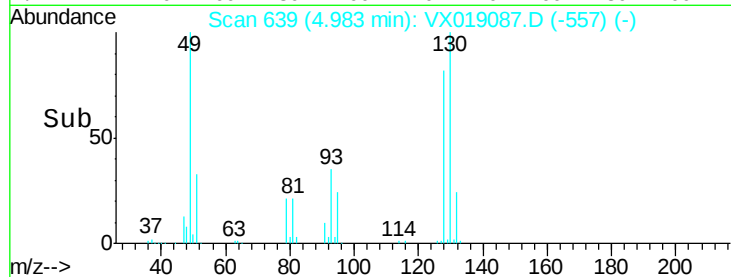
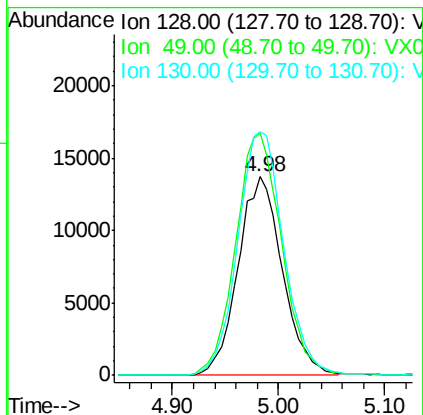
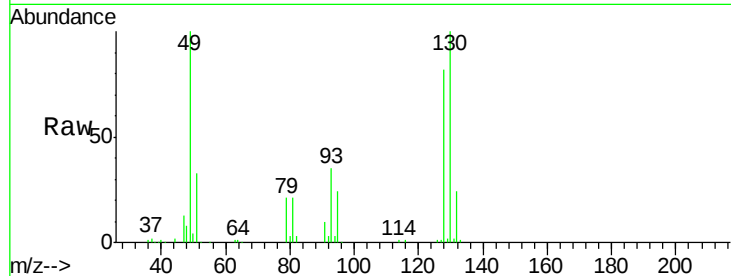
ClientSampleId :

SUTTON-PR-2152

Tot Ion	Ratio	Lower	Upper
128	100		
49	126.5	0.0	318.8
130	127.9	0.0	321.8

Manual Integrations
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#15

Acetone

Concen: 10.954 ug/l

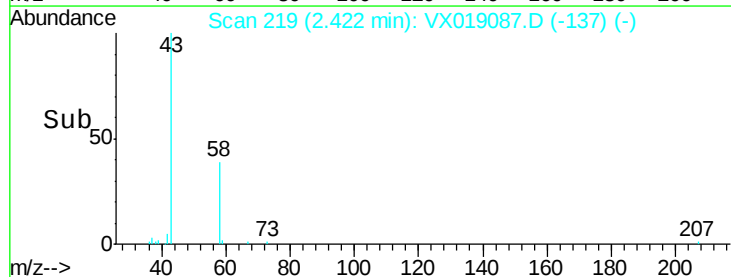
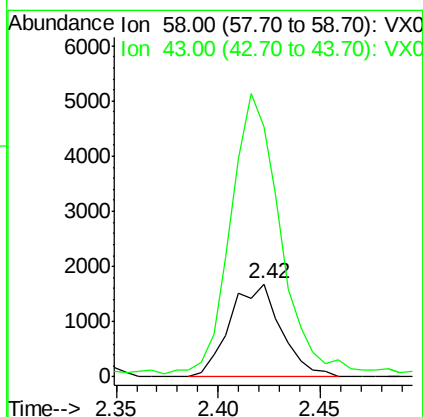
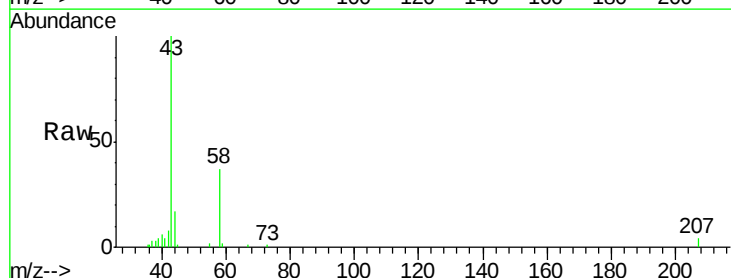
RT: 2.42 min Scan# 219

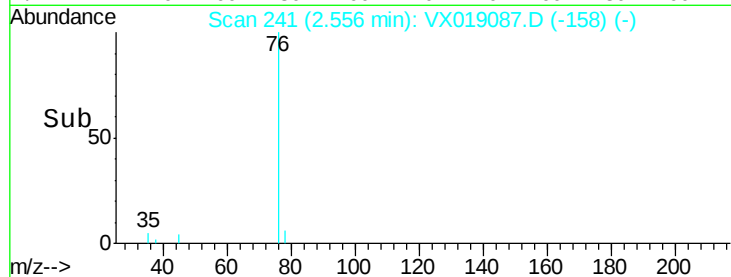
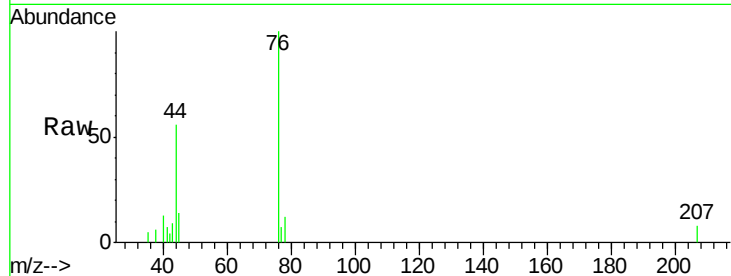
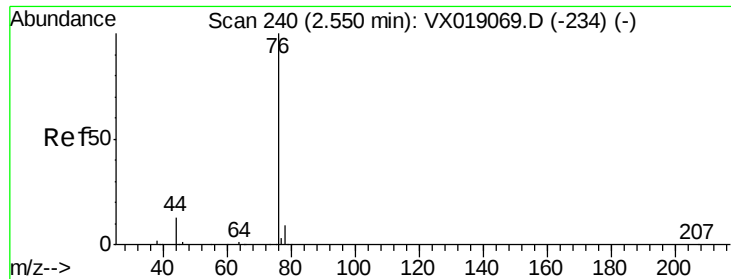
Delta R.T. -0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
58	100		
43	261.4	226.7	340.1





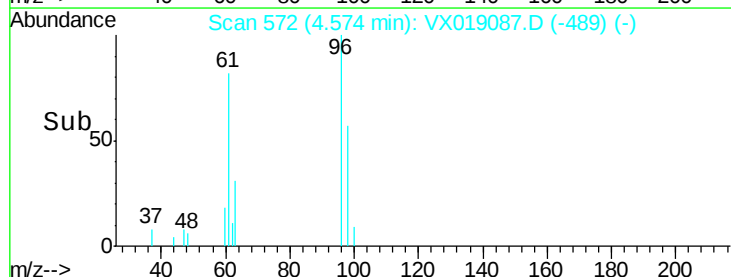
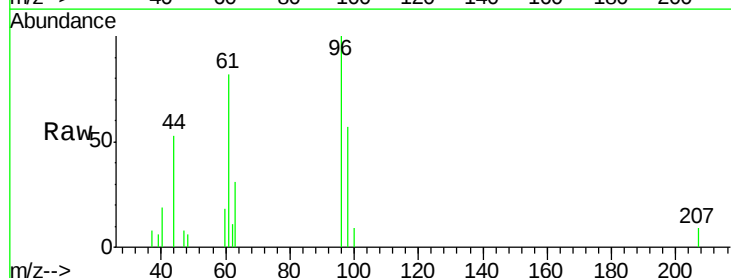
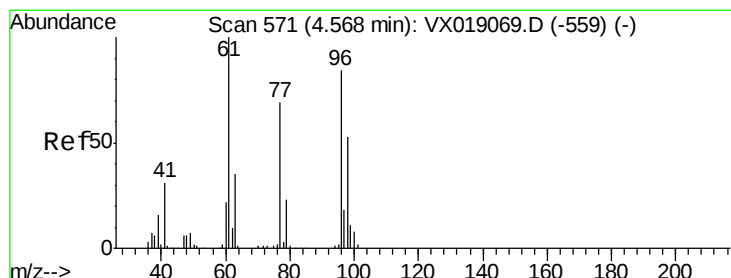
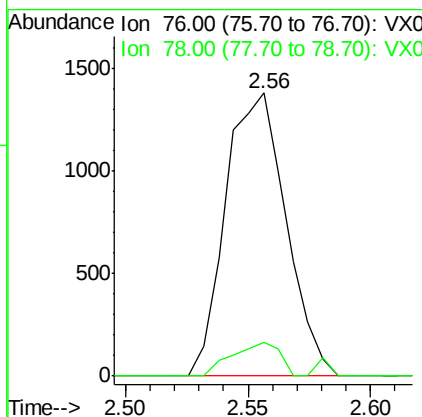
#16
Carbon Disulfide
Concen: 0.425 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Tot Ion: 76 Resp: 2378
Ion Ratio Lower Upper
76 100
78 12.2 7.2 10.8#

Instrument :
MSVOA_X
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SUTTON-PR-2152

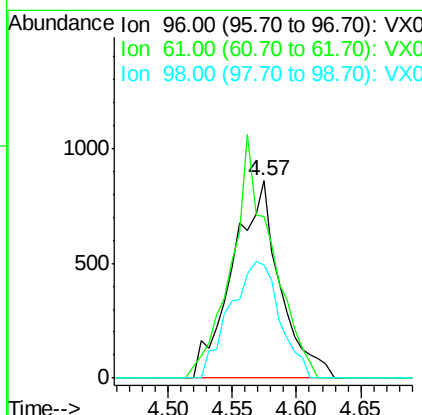
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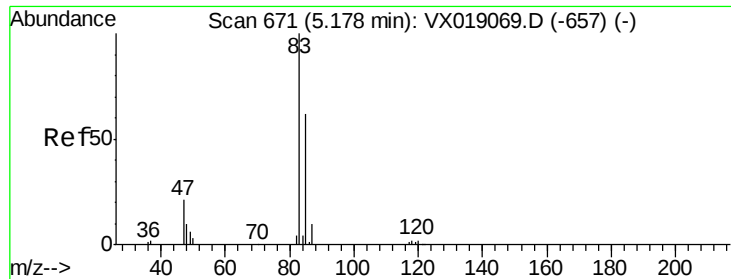
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#22
cis-1,2-Dichloroethene
Concen: 0.809 ug/l m
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Tgt Ion: 96 Resp: 2203
Ion Ratio Lower Upper
96 100
61 104.5 101.9 152.9
98 61.6 51.3 76.9





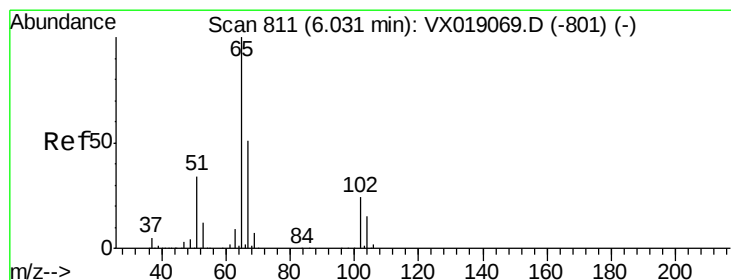
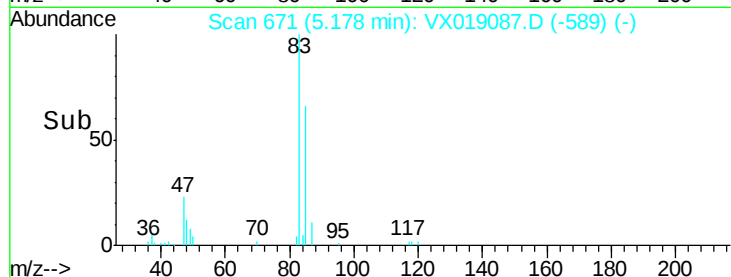
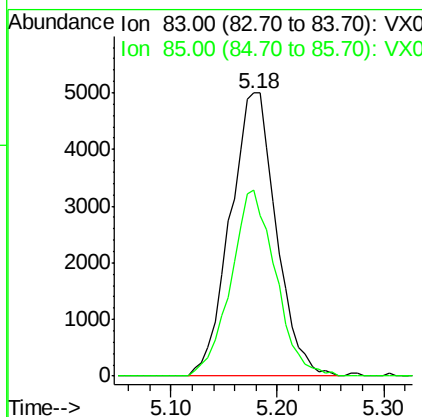
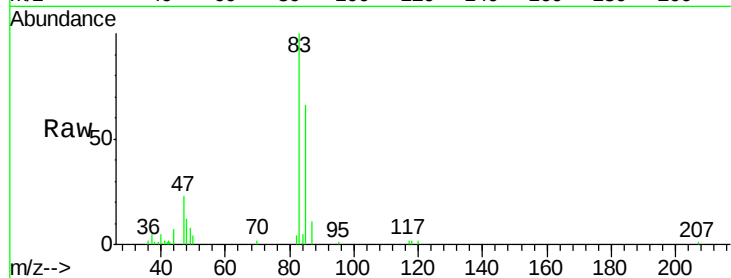
#25
Chloroform
Concen: 3.647 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
SUTTON-PR-2152

Tot Ion	83	Resp	15108
Ion Ratio	100	Lower	Upper
85	65.8	49.8	74.8

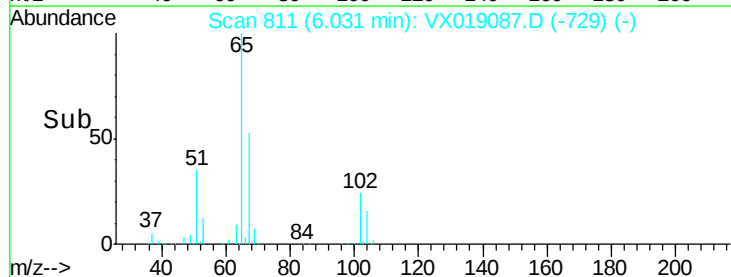
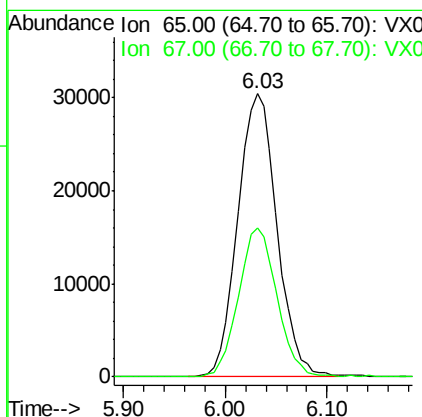
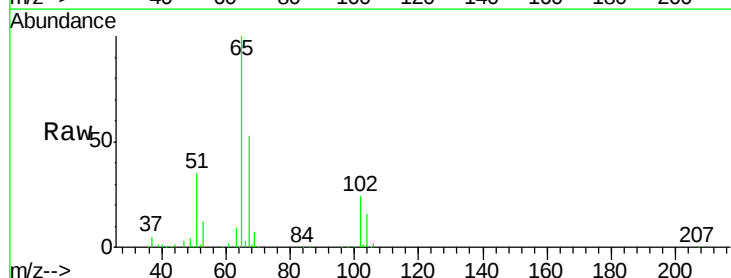
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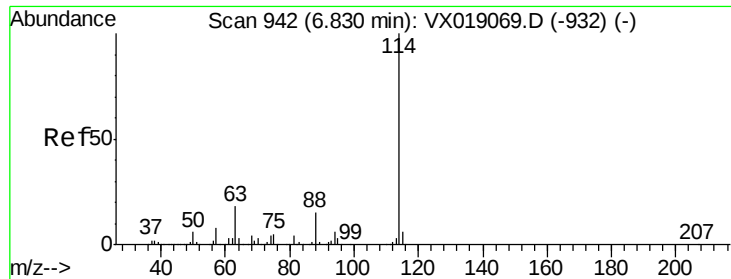
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#27
1,2-Dichloroethane-d4
Concen: 30.547 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Tgt Ion	65	Resp	81344
Ion Ratio	100	Lower	Upper
67	51.5	42.0	63.0





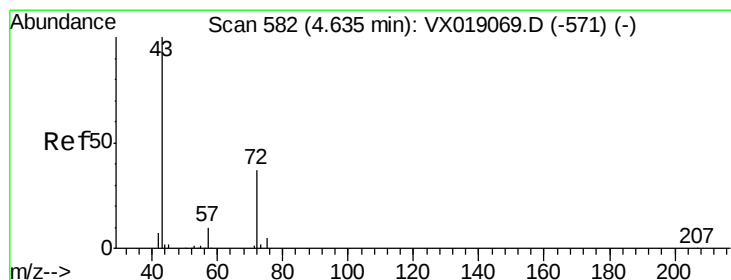
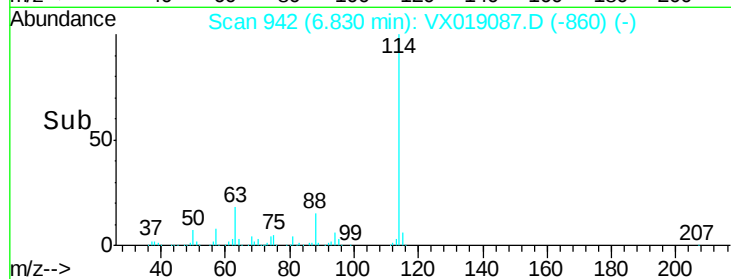
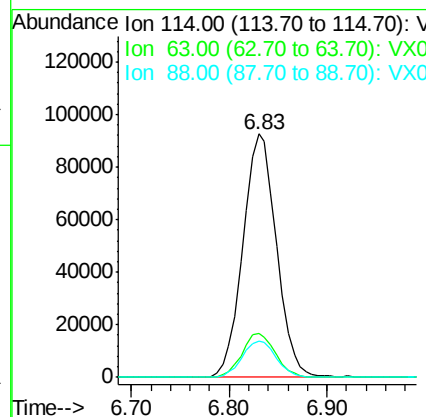
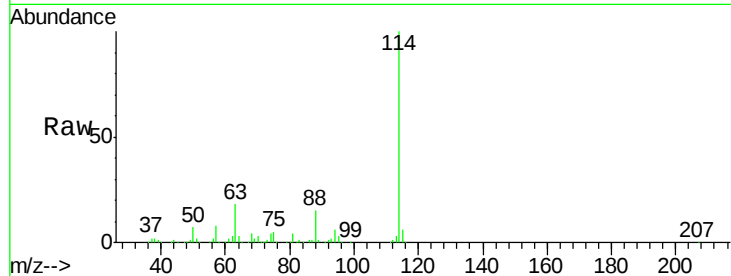
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019087.D
 Acq: 23 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SUTTON-PR-2152

Tot Ion:	114	Resp:	220149
Ion Ratio	Lower	Upper	
114	100		
63	18.0	14.6	21.8
88	15.2	12.2	18.2

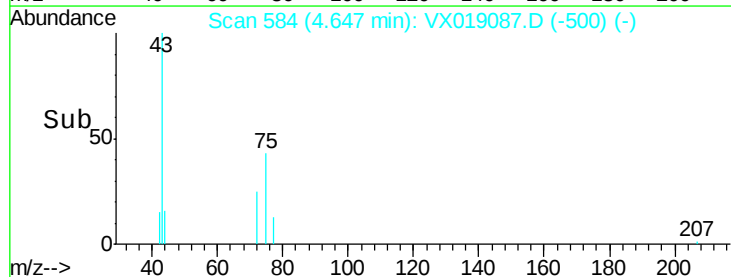
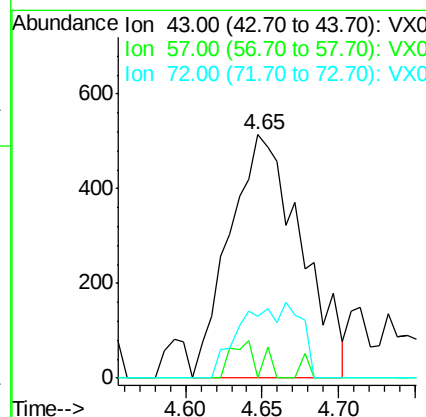
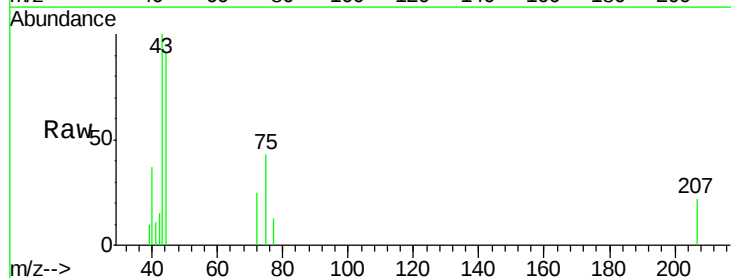
Manual Integrations
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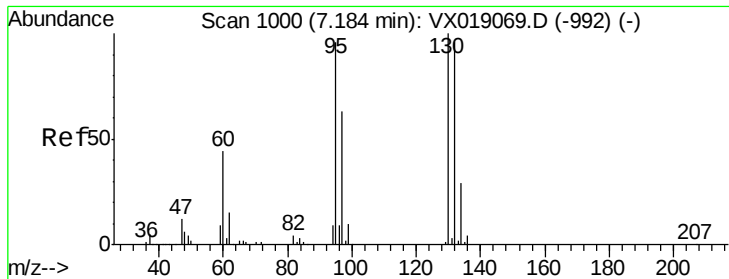
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#30
 2-Butanone
 Concen: 1.353 ug/l
 RT: 4.65 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX019087.D
 Acq: 23 Oct 2020 19:30

Tgt Ion:	43	Resp:	1674
Ion Ratio	Lower	Upper	
43	100		
57	4.5	7.8	11.6#
72	16.9	28.1	42.1#





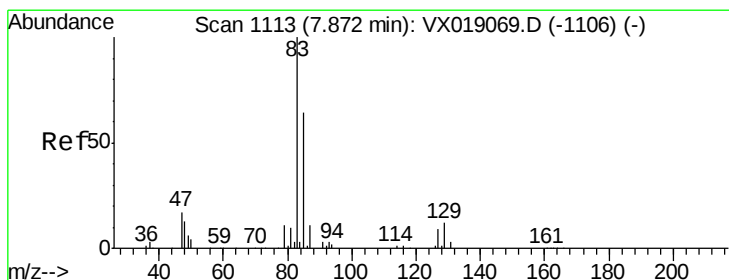
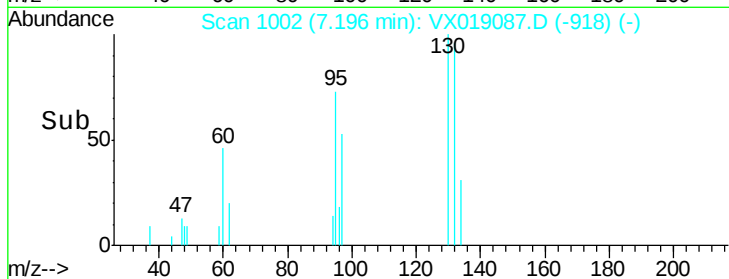
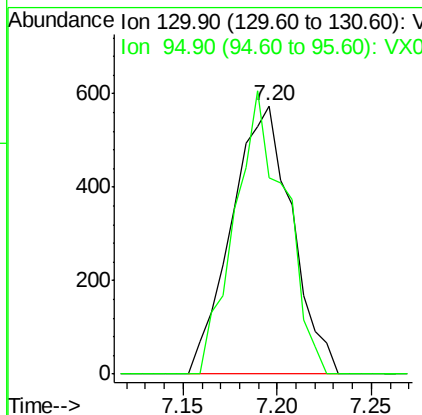
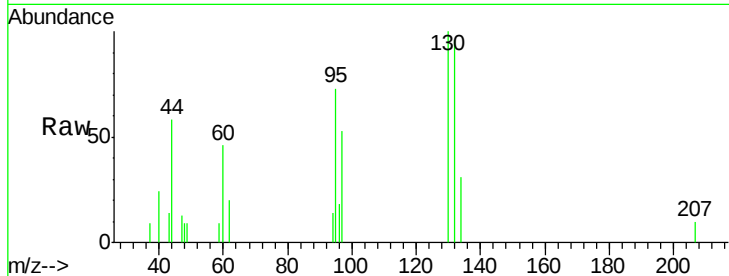
#37
 Trichloroethene
 Concen: 0.487 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX019087.D
 Acq: 23 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SUTTON-PR-2152

Tot Ion:130 Resp: 1278
 Ion Ratio Lower Upper
 130 100
 95 73.2 76.8 115.2#

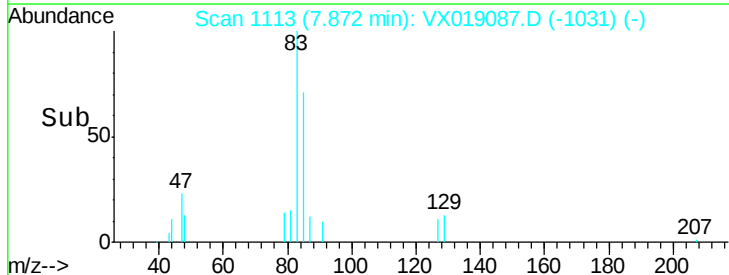
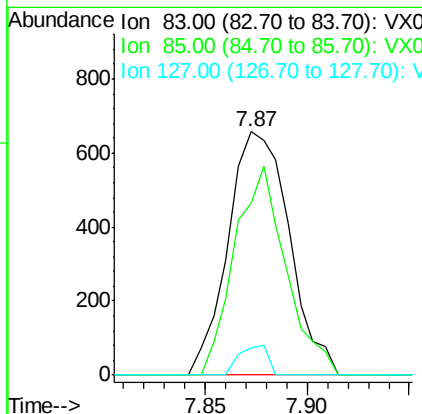
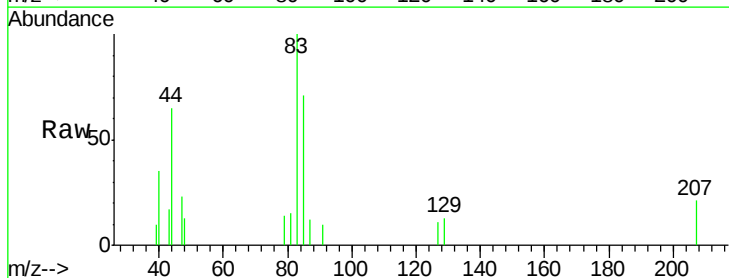
Manual Integrations
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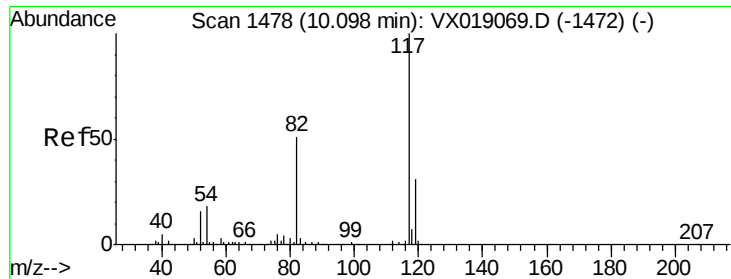
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#41
 Bromodichloromethane
 Concen: 0.420 ug/l
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019087.D
 Acq: 23 Oct 2020 19:30

Tgt Ion: 83 Resp: 1368
 Ion Ratio Lower Upper
 83 100
 85 70.5 51.2 76.8
 127 11.4 7.1 10.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

Instrument :

MSVOA_X

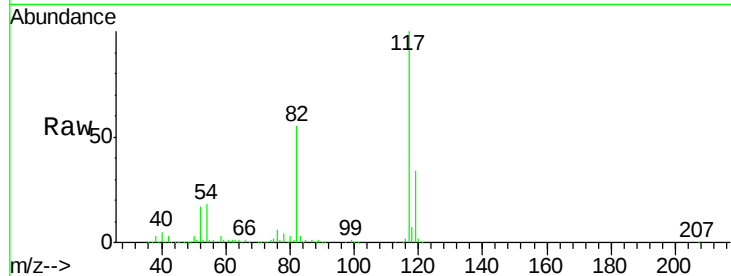
ClientSampleId :

SUTTON-PR-2152

Tot Ion:	117	Resp:	193380
Ion Ratio	Lower	Upper	
117	100		
82	54.1	42.5	63.7
119	32.1	25.6	38.4

Manual Integrations
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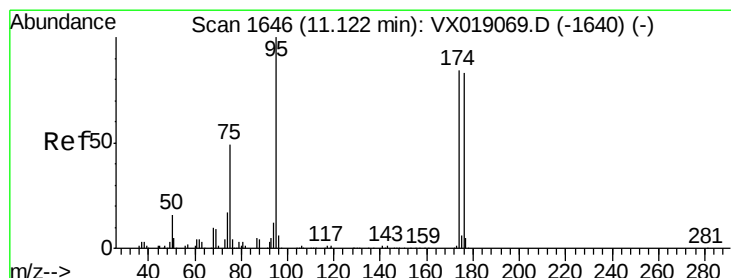
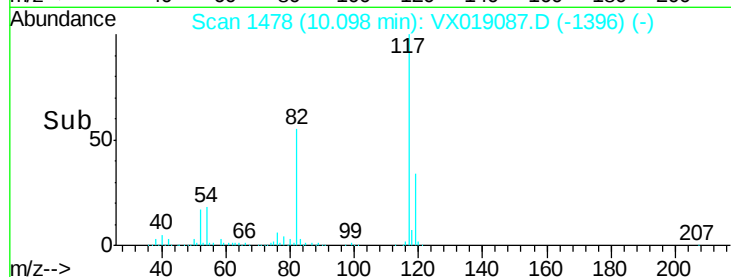
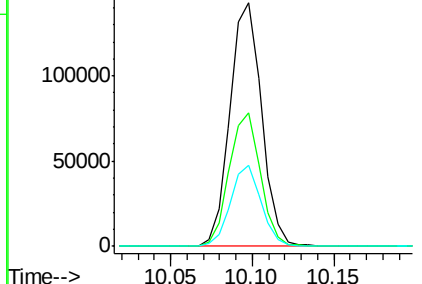
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#60

4-Bromofluorobenzene

Concen: 29.493 ug/l

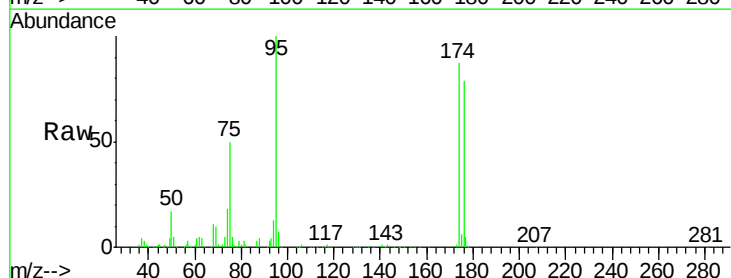
RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

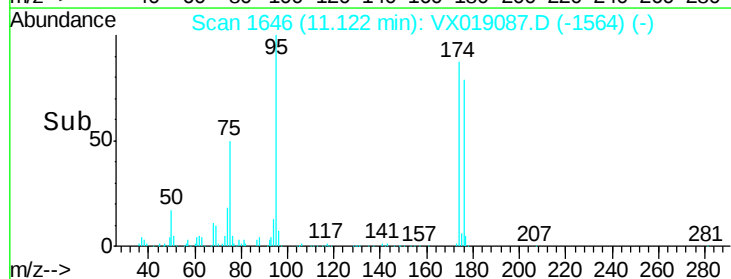
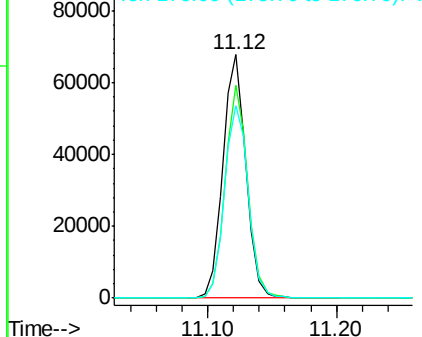
Tgt Ion:	95	Resp:	85603
Ion Ratio	Lower	Upper	
95	100		
174	85.3	66.3	99.5
176	81.6	65.5	98.3

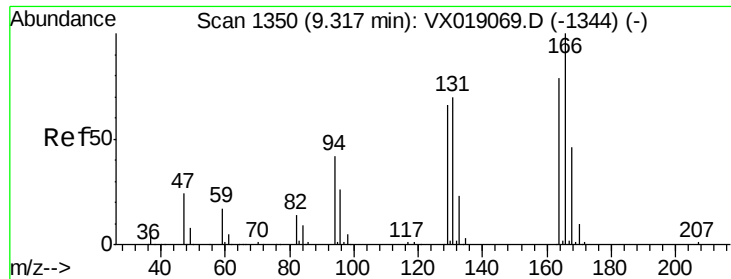


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





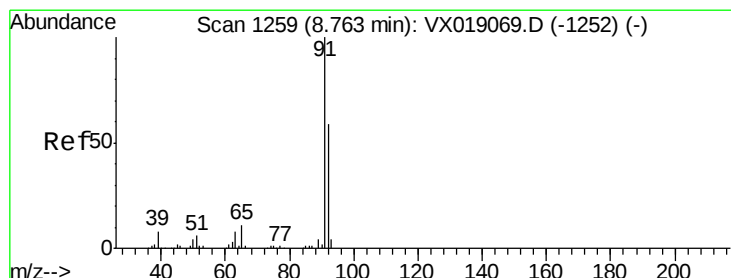
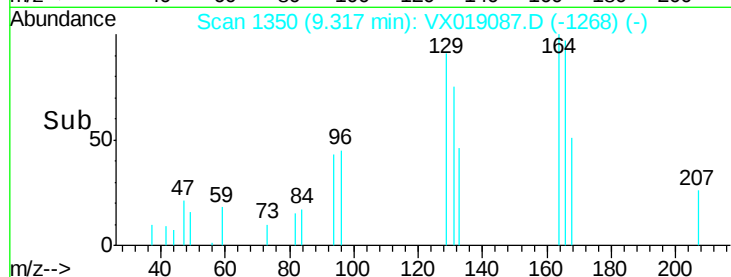
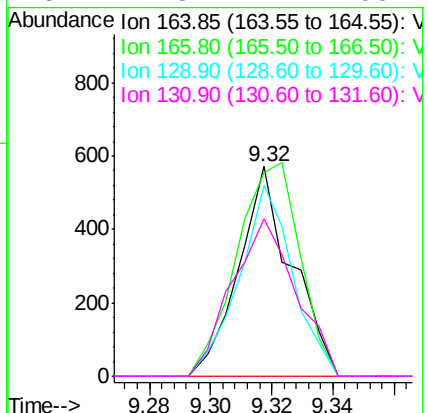
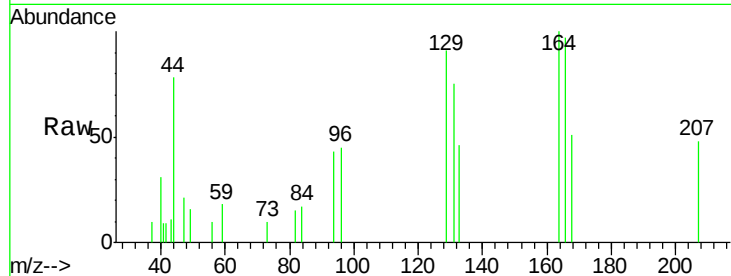
#61
Tetrachloroethene
Concen: 0.300 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
SUTTON-PR-2152

Tot Ion	Ratio	Lower	Upper
164	100		
166	96.7	101.9	152.9#
129	91.1	67.0	100.6
131	74.8	71.1	106.7

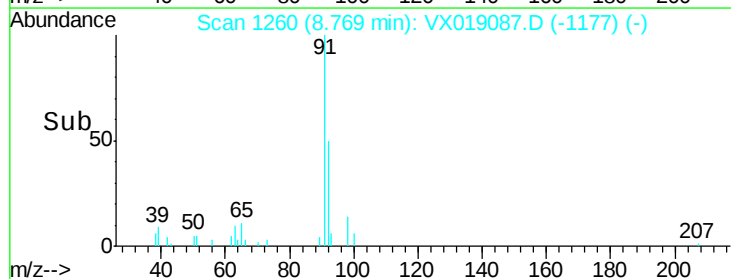
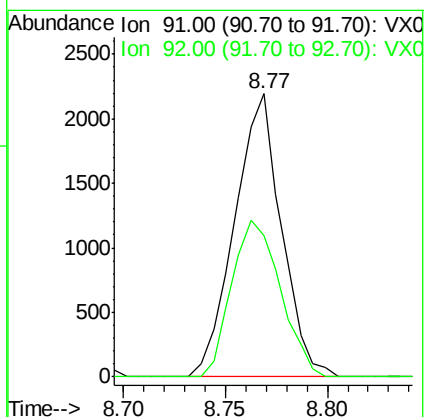
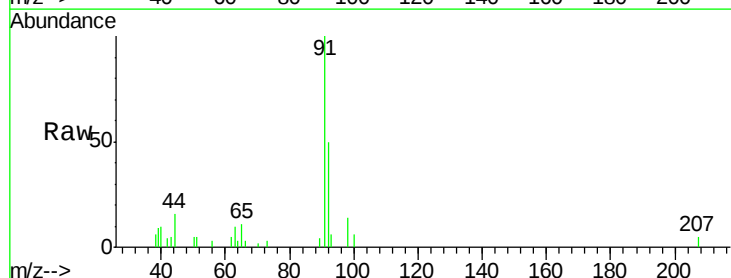
Manual Integrations
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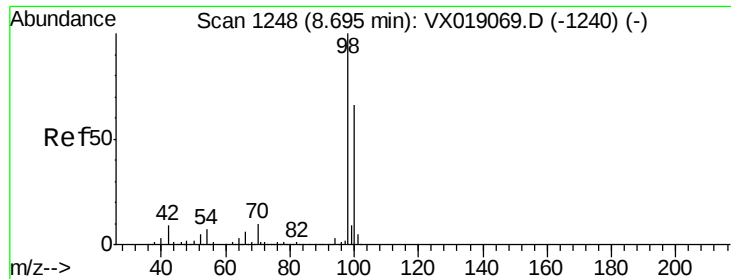
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#62
Toluene
Concen: 0.345 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX019087.D
Acq: 23 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	47.3	70.9





#63

Toluene-d8

Concen: 30.266 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

SUTTON-PR-2152

Tot Ion: 98 Resp: 258414

Ion Ratio Lower Upper

98 100

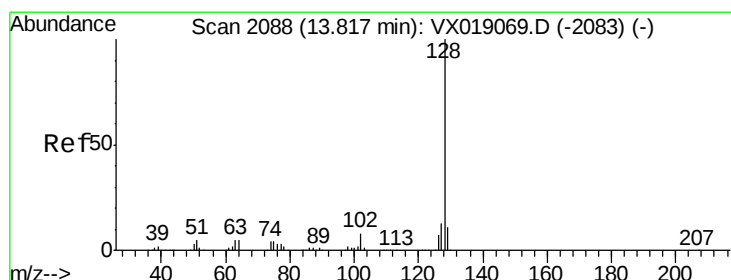
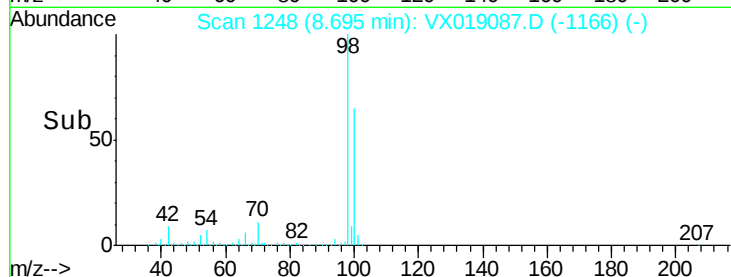
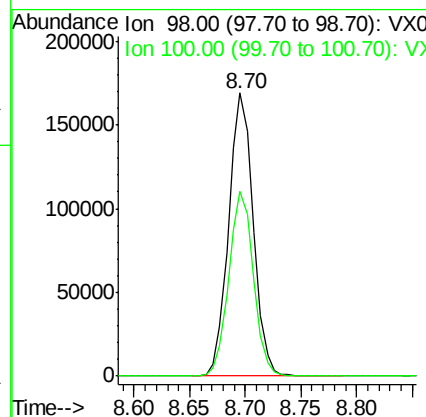
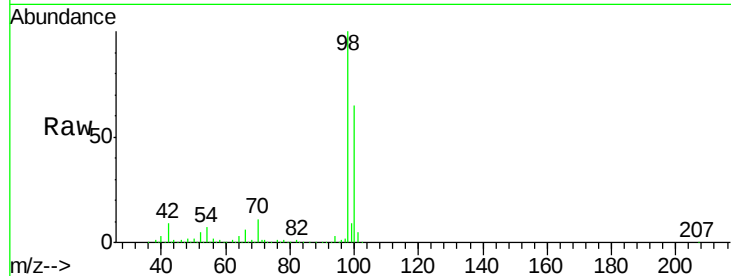
100 65.1 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

10/26/2020 11:16:12 AM



#91

Naphthalene

Concen: 0.224 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019087.D

Acq: 23 Oct 2020 19:30

Tgt Ion: 128 Resp: 2407

Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

129 10.0 8.9 13.3

